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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/864,252

05/25/2001

Takuji Takahashi

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06/16/2004

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EXAMINER

LEE, CHEUKFAN

ART UNIT

PAPER NUMBER

2622

DATE MAILED: 06/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/864,252

Applicant(s)

TAKAHASHI, TAKUJI

Examiner

Cheukfan Lee

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 May 2001.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1,6,7 and 12 is/are rejected.
7) ☒ Claim(s) 2-5 and 8-11 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 25 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

1. Claims 1-12 are pending. Claims 1 and 7 are independent.
2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 6, 7, and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Boyd et al. (U.S. Patent No. 5,038,028).

Regarding claims 1 and 7, Boyd et al. discloses an optical scanner (flat bed scanner) having a power supply cable for supplying power a light source (342, 352) contained on a movable scanning carriage. The power supply cable (Figs. 7-9) comprises a plurality of electric wires (361-366) each inherently having a single line conductive material and an insulating material covering the conductive material. Please note in Fig. 7 that wires (361-364) attached to the second ends of the bulbs (342, 352) (light source) are looped back and extended parallel to and below each associated bulb in the direction of the first end and are thereafter grouped together with the first end wires (col. 6, lines 32-45). The wires (361-366) thereafter pass through a cable shield (372 in Fig. 8). Since the wires (361-364) are not disclosed to be (further) insulated and they are exposed under the bulbs (342, 352), each of these wires inherently comprises insulating material covering the single line conductive material. Boyd et al. further discloses a flexible, elongated cable shield (372) as a holding member for holding the

wires (361-366) (col. 5, line 53 – col. 6, line 66). The cable shield (372) is inherently elastically deformable in accordance with the movement of opposite ends of the wires when the light source carriage moves, since the cable shield (372) in this Figs. 7-9 embodiment corresponds to the flexible power cable (196 in Fig. 2) (col. 4, lines 60-62).

Further, the scanner of Boyd et al. comprises a contact glass, an optical system and a reading part as claimed (Figs. 1-3, col. 2, line 39 – col. 4, line 12).

Regarding claims 6 and 12, the ground strap (370 in Figs. 7 and 8) is attached to the cable shield (372) (holding member) and is for covering the wires (361-366) (col. 6, lines 37-39). Thus, the ground strap (370) reads on the claim protective member attached to the holding member so as to cover the wire.

4. Claims 2-5 and 8-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is an examiner's statement of reasons for allowance:

Claims 2 and 8 are allowable over Boyd et al. because the holding member (372) does not comprise a plate part and an engaging part attaching the electric wire to the plate part as claimed.

Claims 3-5 depend upon claim 2, and claims 9-11 depend upon claim 8, directly or indirectly.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (703) 305-4867. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (703) 305-4712. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cheukfan Lee
June 8, 2004

Handwritten signature of Cheukfan Lee in cursive script.